

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): A moisture detection device comprising:
a mirror whose mirror surface is exposed to a gas to be measured;
a plurality of minute projections are formed at a predetermined interval on the mirror
surface of said mirror;
cooling means for cooling said mirror;
light-emitting means for applying light to the mirror surface;
light-receiving means for receiving reflected light of light applied from said light-
emitting means to the mirror surface; and means for detecting moisture which is produced on the
mirror surface of said mirror which is cooled by said cooling means on the basis of the reflected
light received by said light-receiving means;
~~wherein the projection is formed by using a photoresist and etching.~~

Claim 2 (Currently Amended): ~~A~~The moisture detection device according to claim 1,
~~characterized in that~~wherein the projection comprises a projection with a pointed tip.

Claim 3 (Currently Amended): ~~A~~The moisture detection device according to claim 1,
~~characterized in that~~wherein the projection comprises a columnar projection.

Claim 4 (Currently Amended): ~~A~~The moisture detection device according to claim 1,
~~characterized in that~~wherein the projection comprises a semispherical projection.

5-7 (Canceled)

Claim 8 (New): The moisture detection device according to claim 1, wherein said
predetermined interval ranges from approximately 10 μm to approximately 50 μm .

Claim 9 (New): The moisture detection device according to claim 8, wherein said plurality of minute projections are approximately 0.1 μm to approximately 1 μm in height and approximately 0.1 μm to approximately 1 μm across.

Claim 10 (New): A method for fabricating a mirror surface having minute projections, the method comprising:

forming the minute projections by using a photoresist and an etching process.